

TIME (3 MARKS) (P1)

ALL OF THE TECHNIQUES WORK FOR 24-Hour Time format.

am pm
1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11 12
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
24hr

ADD

h m s

$$05^h 25^m 00^s + 07^h 55^m 00^s = 13^h 20^m 00^s$$

$$\begin{array}{r} 04:30 \\ + 07:15 \\ \hline 11:45 \end{array}$$

$$\begin{array}{r} 05:25 \\ + 07:55 \\ \hline 12:80 \\ +1 -60 \\ \hline 13:20 \end{array}$$

$$\begin{array}{r} 22:30 \text{ Mon} \\ + 08:45 \\ \hline 30:75 \\ +1 -60 \\ \hline 31:15 \\ -24 \\ \hline 07:15 \text{ Tue} \end{array} \quad \begin{array}{l} +1 \\ \downarrow \end{array}$$

SUBTRACT

IN SUBTRACTION, YOU MAY HAVE TO RE-WRITE QUESTION MULTIPLE TIMES AFTER BORROWING.

$$\begin{array}{r} 03:58 \\ - 02:27 \\ \hline 01:31 \end{array}$$

$$\begin{array}{r} 2) \quad \begin{array}{r} \textcircled{-1} \quad \textcircled{+60} \\ 12:43 \\ - 07:55 \\ \hline \end{array} \rightarrow \begin{array}{r} 11:03 \\ - 07:55 \\ \hline 04:48 \end{array} \end{array}$$

$$\begin{array}{r}
 3) \quad \overset{+24}{02:50} \text{ (Mon)} \\
 - 11:30 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 26:50 \\
 - 11:30 \\
 \hline
 15:20 \text{ (Sunday)}
 \end{array}$$

y : ddd:hh:mm:ss

INTERCITY TRAVEL WITH TIME DIFFERENCE

DEPARTURE + JOURNEY = ARRIVAL

Q: London is 4 hours ahead of Dubai. So when it is 0200 in Dubai, its 0600 in London. Ali leaves Dubai at 07:30 Local time. It takes the flight 6 hours to reach London. What is time in London when Ali arrives there.

CITY	DEPARTURE	JOURNEY	ARRIVAL
DUBAI	07:30	06:00	13:30
LONDON	11:30	06:00	17:30

PLAN A: 07:30 departure
+ 06:00 journey

PLAN B: 07:30
+ 04:00

$$\begin{array}{r}
 13:30 \\
 + 04:00 \\
 \hline
 17:30
 \end{array}$$

Arrival (Dubai)
London

$$\begin{array}{r}
 11:30 \\
 06:00 \\
 \hline
 17:30
 \end{array}$$

NOTE: IF IT IS MORE THAN 1 MARK QUESTION FOR TIME, DO SHOW WORKINGS TO GAIN METHOD MARKS.

CALCULATOR HACK

$$\text{speed} = \frac{d}{t}$$



$$d = 5\text{km}$$

$$s = 4\text{km/h}$$

$$t = \frac{d}{s} = \frac{5}{4} = 1.25 \text{ hrs.}$$

$$\begin{array}{r}
 0.25\text{h} \\
 \times 60 \\
 \hline
 15\text{m}
 \end{array}$$

$$1 \text{ h } 15 \text{ m}$$

$$4 \div 3 = 1.3332.$$



Small Chapters → Brief Summary.